

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	("5347586" "5558298" "5940519" "6138947").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/15 16:50
S2	2	("6772074" "6856920").pn.	US-PGPUB; USPAT	OR	OFF	2006/04/11 14:42
S3	4	10/084,774 or 10/084,254 or 10/085,037	US-PGPUB; USPAT	OR	OFF	2005/09/15 16:39
S4	4	10/083,774 or 10/084,254 or 10/085,037	US-PGPUB; USPAT	OR	OFF	2005/09/15 16:39
S5	587822	noise or vibration	US-PGPUB; USPAT	OR	OFF	2005/09/15 16:50
S6	453138	S5 and (control\$4 or cancel\$)	US-PGPUB; USPAT	OR	OFF	2005/09/15 16:51
S7	29836	S6 and harmonic	US-PGPUB; USPAT	OR	ON	2005/09/15 16:53
S8	14369	S7 and (sample or sampling or sampler)	US-PGPUB; USPAT	OR	ON	2005/09/15 16:54
S9	7025	S8 and (sensor transducer)	US-PGPUB; USPAT	OR	ON	2005/09/15 16:55
S10	98450	S9 and (fourier with transform) or (ft fft)	US-PGPUB; USPAT	OR	ON	2005/09/15 16:57
S11	2466	S9 and ((fourier with transform) or (ft fft))	US-PGPUB; USPAT	OR	ON	2005/09/16 13:49
S12	688	S11 and (aliasing alias antialiasing anti-aliasing)	US-PGPUB; USPAT	OR	ON	2005/09/15 16:59
S13	27717	down with (sampl\$)	US-PGPUB; USPAT	OR	OFF	2005/09/15 17:00
S14	221	S12 and S13	US-PGPUB; USPAT	OR	OFF	2005/09/20 15:37
S15	587822	noise or vibration	US-PGPUB; USPAT	OR	OFF	2005/09/16 13:49
S16	453138	S15 and (control\$4 or cancel\$)	US-PGPUB; USPAT	OR	OFF	2005/09/16 13:49
S17	29836	S16 and harmonic	US-PGPUB; USPAT	OR	ON	2005/09/16 13:49
S18	14369	S17 and (sample or sampling or sampler)	US-PGPUB; USPAT	OR	ON	2005/09/16 13:49
S19	7025	S18 and (sensor transducer)	US-PGPUB; USPAT	OR	ON	2005/09/16 13:49
S20	2466	S19 and ((fourier with transform) or (ft fft))	US-PGPUB; USPAT	OR	ON	2005/09/16 13:49
S21	27717	down with (sampl\$)	US-PGPUB; USPAT	OR	OFF	2005/09/16 13:49

## EAST Search History

S22	352	S20 and S21	US-PGPUB; USPAT	OR	ON	2005/09/16 13:50
S23	688	S20 and (aliasing alias antialiasing anti-aliasing)	US-PGPUB; USPAT	OR	ON	2005/09/16 13:50
S24	221	S23 and S21	US-PGPUB; USPAT	OR	OFF	2005/09/16 13:50
S25	131	S22 not S24	US-PGPUB; USPAT	OR	ON	2005/09/16 13:51
S26	425	702/56.ccls.	US-PGPUB; USPAT	OR	OFF	2005/09/16 15:40
S27	135	381/94.2.ccls.	US-PGPUB; USPAT	OR	OFF	2005/09/16 15:41
S28	156	381/94.3.ccls.	US-PGPUB; USPAT	OR	OFF	2005/09/16 15:41
S29	698	S26 S27 S28	US-PGPUB; USPAT	OR	OFF	2005/09/16 15:41
S30	31	S29 and (down with sampl\$)	US-PGPUB; USPAT	OR	OFF	2005/09/16 15:51
S31	246	S29 and amplitude and phase	US-PGPUB; USPAT	OR	OFF	2005/09/16 17:11
S32	93	S31 and harmonic	US-PGPUB; USPAT	OR	ON	2005/09/16 15:51
S33	323	S29 and ((amplitude and phase) or harmonic)	US-PGPUB; USPAT	OR	ON	2005/09/16 17:13
S34	207	S33 and sampl\$	US-PGPUB; USPAT	OR	ON	2005/09/16 17:14
S35	5609	(vibration or noise) with cancellation	US-PGPUB; USPAT	OR	OFF	2005/09/19 16:59
S36	1102	S35 and (downsampl\$ or (sampl\$ with rate))	US-PGPUB; USPAT	OR	OFF	2005/09/19 12:40
S37	933	S36 and (harmonic magnitude phase)	US-PGPUB; USPAT	OR	ON	2005/09/19 12:42
S38	12	S37 and (harmonic with coefficient)	US-PGPUB; USPAT	OR	ON	2005/09/19 14:00
S39	309	S36 and harmonic	US-PGPUB; USPAT	OR	ON	2005/09/19 14:00
S40	587822	noise or vibration	US-PGPUB; USPAT	OR	OFF	2005/09/19 16:58
S41	4366	S40 near (cancel or cancellation)	US-PGPUB; USPAT	OR	OFF	2005/09/19 16:59
S42	662	S35 and actuator	US-PGPUB; USPAT	OR	OFF	2005/09/19 17:00
S43	92	S42 and (alias or aliasing or antialiasing or anti-aliasing)	US-PGPUB; USPAT	OR	OFF	2005/09/19 17:01

## EAST Search History

S44	79	S43 and sampl\$	US-PGPUB; USPAT	OR	OFF	2005/09/19 17:02
S45	76	S44 and (harmonic or amplitude or phase)	US-PGPUB; USPAT	OR	OFF	2005/09/19 17:32
S46	4305	S35 and (harmonic or amplitude or phase)	US-PGPUB; USPAT	OR	OFF	2005/09/19 17:32
S47	587822	noise or vibration	US-PGPUB; USPAT	OR	OFF	2005/09/19 17:33
S48	106527	S47 and (harmonic or (phase and amplitude))	US-PGPUB; USPAT	OR	ON	2005/09/19 17:33
S49	53544	S48 and sampl\$	US-PGPUB; USPAT	OR	ON	2005/09/19 17:34
S50	6839	S49 and (alias or aliasing or antialiasing or anti-aliasing)	US-PGPUB; USPAT	OR	ON	2005/09/19 17:36
S51	4261	S50 and ((sampl\$ with rate) or (downsample down with sample))	US-PGPUB; USPAT	OR	ON	2005/09/19 17:38
S52	3424	S51 and (bpf or bandpass or band)	US-PGPUB; USPAT	OR	ON	2005/09/19 17:39
S53	1702	S52 and (sensor microphone transducer)	US-PGPUB; USPAT	OR	ON	2005/09/19 17:40
S54	1240	S53 and bandwidth	US-PGPUB; USPAT	OR	ON	2005/09/19 17:43
S55	1135	S54 not watermark	US-PGPUB; USPAT	OR	ON	2005/09/19 17:57
S56	18	S55 and downsample	US-PGPUB; USPAT	OR	ON	2005/09/19 18:04
S57	70	S55 and downsampl\$	US-PGPUB; USPAT	OR	ON	2005/09/19 18:16
S58	35	S55 and undersampl\$	US-PGPUB; USPAT	OR	ON	2005/09/19 18:16
S60	719	undersampling	US-PGPUB; USPAT	OR	OFF	2005/09/20 15:27
S61	14	S60 and downsampl\$	US-PGPUB; USPAT	OR	OFF	2005/09/20 15:27
S62	877465	sampl\$	US-PGPUB; USPAT	OR	OFF	2005/09/20 15:38
S63	2592	S62 and (upper with bound) and (lower with bound)	US-PGPUB; USPAT	OR	OFF	2005/09/20 15:39
S64	131	S63 and bandpass	US-PGPUB; USPAT	OR	OFF	2005/09/20 16:05
S65	1	"0814279"	US-PGPUB; USPAT; EPO	OR	OFF	2005/09/20 16:06

## EAST Search History

S66	10	"814279"	US-PGPUB; USPAT; EPO	OR	OFF	2005/09/20 16:06
S67	1	"6216059".pn.	US-PGPUB; USPAT	OR	OFF	2006/04/03 13:44
S68	408	310/326.ccls.	US-PGPUB; USPAT	OR	OFF	2006/04/03 13:57
S69	73	700/54.ccls.	US-PGPUB; USPAT	OR	OFF	2006/04/03 13:57
S70	150	700/280.ccls.	US-PGPUB; USPAT	OR	OFF	2006/04/03 14:00
S71	628	S68 S69 S70	US-PGPUB; USPAT	OR	OFF	2006/04/03 15:37
S72	69	S71 and sampling	US-PGPUB; USPAT	OR	OFF	2006/04/04 10:21
S76	56	S72 and ((@ad @rlad)<="20010227")	US-PGPUB; USPAT	OR	OFF	2006/04/04 10:22
S77	1	10/083773	US-PGPUB; USPAT	OR	OFF	2006/04/03 16:50
S78	0	S76 and undersampl\$3	US-PGPUB; USPAT	OR	OFF	2006/04/03 16:51
S79	0	S76 and under near sampl\$3	US-PGPUB; USPAT	OR	OFF	2006/04/03 16:51
S80	0	S71 and undersampl\$3	US-PGPUB; USPAT	OR	OFF	2006/04/03 16:51
S81	7	S71 and under with sampl\$3	US-PGPUB; USPAT	OR	OFF	2006/04/03 16:51
S82	408	310/326.ccls.	US-PGPUB; USPAT	OR	OFF	2006/04/04 10:21
S83	73	700/54.ccls.	US-PGPUB; USPAT	OR	OFF	2006/04/04 10:21
S84	151	700/280.ccls.	US-PGPUB; USPAT	OR	OFF	2006/04/04 10:21
S85	629	S82 S83 S84	US-PGPUB; USPAT	OR	OFF	2006/04/04 10:21
S86	124	S85 and sampl\$3	US-PGPUB; USPAT	OR	OFF	2006/04/04 10:21
S87	103	S86 and ((@ad @rlad)<="20010227")	US-PGPUB; USPAT	OR	OFF	2006/04/04 15:12
S88	12	("20020118844"   "5347586"   "5526292"   "5558298"   "5724239"   "5748847"   "5834918"   "5940519"   "6138947"   "6487524"   "6772074"   "6856920").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/04 11:15

## EAST Search History

S89	203	(sampling near (frequency rate)) with (below (less near than)) with nyquist	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/04 12:16
S90	147	S89 and (noise vibration)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/04 11:57
S91	133	S90 and control\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/04 11:21
S92	71	S91 and (compensat\$3 dampen\$3 cancel\$6)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/04 11:21
S93	52	S92 and ((@ad @rlad)<="20010227")	US-PGPUB; USPAT	OR	OFF	2006/04/04 11:22
S94	9	S89 and vibration	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/04 11:58
S95	349	(sampl\$3) with (below (less near than)) with nyquist	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/04 12:17
S96	340	S95 not S94	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/04 12:17
S97	249	S96 and (vibration noise)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/04 12:56
S98	17	S85 and (frequency near interest)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/04 15:11
S99	1	S98 and (sampling near frequency)	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/04 12:57
S100	1128	undersampl\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/04 15:11
S101	97	S100 and vibration	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/04 15:11
S102	75	S101 and ((@ad @rlad)<="20010227")	US-PGPUB; USPAT	OR	OFF	2006/04/04 15:23
S103	399	((band near pass) bandpass) near sampl\$3	US-PGPUB; USPAT	OR	OFF	2006/04/04 15:24
S104	103	S103 and ((vibration noise) with (cancel\$6 suppres\$4 attenuat\$3 dampen\$3))	US-PGPUB; USPAT	OR	OFF	2006/04/04 15:47
S105	523	(sampling near rate) with (computation\$3 efficiency)	US-PGPUB; USPAT	OR	OFF	2006/04/04 15:47

## EAST Search History

S10 6	15	(sampling near rate) with (computation\$3 with efficiency)	US-PGPUB; USPAT	OR	OFF	2006/04/04 16:07
S10 7	1	10/083774	US-PGPUB; USPAT	OR	OFF	2006/04/04 16:08
S10 8	2	10/084254	US-PGPUB; USPAT	OR	OFF	2006/04/04 16:08
S10 9	0	("0560364").PN.	EPO	OR	OFF	2006/04/11 08:33
S11 0	1	("0560364").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2006/04/04 16:15
S11 1	0	("kobayashineartoshiaki").PN.	EPO	OR	OFF	2006/04/04 16:16
S11 2	1	"0560364"	US-PGPUB; USPAT	OR	OFF	2006/04/04 16:17
S11 3	0	"0560364"	EPO	OR	OFF	2006/04/04 16:17
S11 4	50	kobayashi near toshiaki	EPO	OR	OFF	2006/04/04 16:18
S11 5	2	("5652799" "5409078").pn.	US-PGPUB; USPAT	OR	OFF	2006/04/11 08:34
S11 6	1709	341/143.ccls.	US-PGPUB; USPAT	OR	OFF	2006/04/11 14:42
S11 7	422	341/122.ccls.	US-PGPUB; USPAT	OR	OFF	2006/04/11 14:42
S11 8	2103	S116 S117	US-PGPUB; USPAT	OR	OFF	2006/04/11 14:43
S11 9	199	S118 and ((decimat\$3 decreas\$3) adj2 (rate sample frequency))	US-PGPUB; USPAT	OR	ON	2006/04/11 15:15
S12 0	2	S119 and undersampl\$3	US-PGPUB; USPAT	OR	ON	2006/04/11 15:04
S12 1	8	S119 and (under near sampl\$3)	US-PGPUB; USPAT	OR	ON	2006/04/11 15:04
S12 2	11	S118 and (less adj5 Nyquist)	US-PGPUB; USPAT	OR	ON	2006/04/11 15:15